

Claims

1. A communication installation, in particular for the communal reception of information, of the type comprising:

- 5 - an input interface (IE) suitable for receiving at least one first signal (S2) emanating from a first information source, as well as at least first software applications (NAV, APPL), and
- at least one receiver/decoder device (STB), available to an individual user, devised so as to use the first software applications (NAV, APPL) to undertake the conversion of the first signal (S2) with a view to direct use by the user,

characterized in that the input interface (IE) is able moreover to receive at least one second signal (S3) emanating from a second information source, as well as second software applications,

in that the receiver/decoder device (STB) is devised moreover to use the second software applications to undertake the conversion of the second signal (S3) with a view to direct use of said second signal,

in that the installation comprises a local server (SL), linked, on the one hand, to the input interface (IE) and, on the other hand, to the receiver/decoder device (STB), and comprising a dialogue module (ICOM) for talking to the receiver/decoder device (STB) so as to transmit, selectively as a function of a request from a user, the first or the second software applications, to the receiver/decoder device of the user, so as to undertake the conversion of the first signal or of the second signal.

2. The installation as claimed in claim 1, characterized in that the local server (SL) comprises a harmonizer module (MOD, AMP) linked to the input interface (IE) and able to put the first and second signals (S2, S3) into a common form, while the receiver/decoder device is devised so as to undertake the conversion of a harmonized signal (S_R) which exhibits said common form.

3. The installation as claimed in claim 2, characterized in that the harmonizer module (MOD) is devised so as to remodulate the first and second signals (S2, S3) according to one and the same type of modulation (COFDM), while the
5 receiver/decoder device (STB) comprises a demultiplexer module (DEMUX) devised so as to operate on signals (S_R) exhibiting this type of modulation (COFDM).

4. The installation as claimed in claim 3, characterized in
10 that the receiver/decoder device (STB) comprises a memory (DRAM, ROM) for loading the first or second software applications (NAV, APPL), as well as a management module (μ P) able to access said memory and devised so as to cooperate with the demultiplexer module (DEMUX), so as to undertake
15 conversion of said harmonized signal (SR) with a view to direct use.

5. The installation as claimed in any one of the preceding claims, characterized in that the installation comprises a
20 network (R) of connections for linking a multiplicity of receiver/decoder devices (STB) to the local server (SL), while the local server (SL) comprises an output interface (OPE) linked to the dialogue module (ICOM) so as to transmit, selectively as a function of the requests from the users, the
25 first or second software applications to the corresponding receiver/decoder devices (STB).

6. The installation as claimed in claim 5, characterized in that the receiver/decoder devices (STB) each carry a pre-
30 determined identifier (ID) and in that the local server (SL) comprises a registry of identifiers (TA), while the dialogue module (ICOM) is able to cooperate with the registry of identifiers (TA) so as to talk repetitively to the receiver/decoder devices (STB) according to a question/answer
35 type protocol.

7. The installation as claimed in claim 6, characterized in that a local server (SL) is devised so as to successively

question the receiver/decoder devices (STB) in a substantially cyclic manner, and to receive in answer (VR) the requests from the users successively.

- 5 8. The installation as claimed in either of claims 6 and 7, characterized in that the local server (SL) is devised so as to simultaneously question the receiver/decoder devices and receive in answer (VR) the requests from the users simultaneously.

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9. The installation as claimed in any one of the preceding claims, characterized in that the local server (SL) is devised so as furthermore to transmit software applications (EPG, DM, INTDM) allowing a dialogue between the
15 receiver/decoder device (STB) and one at least of said first and second sources, according to an interactive protocol.

10. The installation as claimed in one of the preceding claims, characterized in that the receiver/decoder device
20 (STB) is able to communicate via a return path (VR) with the local server (SL), while the local server (SL) comprises a communication link (MODEM) with the first and/or the second information source, so as to transmit to the receiver/decoder device (STB), software applications chosen according to a
25 request from the user.

11. The installation as claimed in claim 10, characterized in that the receiver/decoder device (STB) is able to transmit via said return path (VR) a request to update the first
30 and/or second software applications.

12. The installation as claimed in one of the preceding claims, characterized in that the first and/or second signals carry information regarding televisual images (S2, S3) and/or
35 of multimedia type (DM).

13. The installation as claimed in claim 12, characterized in that the first and/or second signals (S2, S3) are scrambled

signals carrying information subject to pay-per-view, while the receiver/decoder (STB) comprises a descrambler module (DESCR) capable of undertaking a conversion of the first and/or second signals into descrambled signals, with the
5 proviso of obtaining access rights.

14. The installation as claimed in claim 13, characterized in that the receiver/decoder device (STB) comprises a module for managing access rights (CA) able to cooperate with the
10 scrambler module (DESCR) so as to activate the descrambling of the first and/or of the second signal.

15. The installation as claimed in claim 14, characterized in that the local server (SL) is able to consult said module for
15 managing access rights (CA), with a view to controlling the rights to which the receiver/decoder device (STB) has access.

16. The installation as claimed in claim 13, characterized in that the receiver/decoder device (STB) is devised so as to
20 transmit to the local server (SL) a request for access rights, while the local server (SL) is devised so as to communicate said request for access rights to the first and/or second information source, and so as to send the receiver/decoder device (STB), software applications (APPL)
25 allowing the descrambling of the first and/or the second signal, in answer to said request for access rights.

17. A receiver/decoder device of an installation according to one of the preceding claims.